



Features

- ✓ 24 V DC input voltage
- ✓ Can accommodate 2-wire proximity sensors
- ✓ 24 V DC output voltage
- ✓ 500 mA output current per channel
- ✓ A blue LED indicates the module's operating status
- ✓ Green LEDs (one for each output) indicate the output status
- ✓ 4 inputs, electrically isolated from the backplane bus
- ✓ 4 outputs, electrically isolated from the backplane bus

Digital-mix-module, In & Out, DC 24 V 4x DI / 4x DO

Digital mix modules (inputs and outputs) for the modular fieldbus IO system TB20.

Note: Individual modules cannot be combined with IO systems from other manufacturers.

The scope of delivery already includes the appropriate front connector for the cabling and a base module. The module has 4 digital inputs and outputs.

General information

Order number	600-230-0AH01
Article name	DIO 4x In/4 x Out DC 24 V, 500 mA
Scope of delivery	DIO 4x In/4 x Out DC 24 V, 500 mA
Dimensions (DxWxH)	110 x 14 x 73 mm
Weight	Approx. 70 g
Number of inputs	4
Input characteristic curve	Type 2, EN 61131-2
Reverse polarity protection for inputs	Yes
Number of outputs	4
Output short-circuit protection	Electronic, for each individual channel
Inductive cutoff voltage limit	-48 V
Hot-swap capable	Yes

Input voltage

For signal "0"	- 3 V ... 9 V
For signal "1"	12 V ... 30 V
For signal "1"	12 V ... 30 V

Electrical isolation

from the backplane bus	Yes
Between the channels	No

Supply voltage UP, US

Rated value	24 V DC
Ripple USS	max. 3.6 V
Permissible range (with ripple)	20 ... 30 V
Voltage for t < 10 ms	50 V

Output current

Rated value	500 mA
Leakage current	Max. 0.5 mA

Current draw

External	Max. 20 mA + load
Internal	Max. 28 mA
Internal	Max. 28 mA

Ambient conditions

Ambient temperature	0 °C ... +60 °C
Transport and storage temperature	-20 °C ... +80 °C
Relative air humidity	95 % r H without condensation

Protection rating	IP 20
Certifications	CE, UL

UL

Surrounding Air Temperature	0 °C ... +60 °C
Pollution degree	2

CE

Noise immunity	DIN EN 61000-6-2 "EMC Immunity"
Interference emission	DIN EN 61000-6-4 "EMC Emission"
Vibration and shock resistance	DIN EN 60068-2-6:2008 „Vibration“, DIN EN 60068-2-27:2010 „Shock"